

REMARKS


Claims 1-9 are pending in the application. By this Amendment, the specification is amended, claims 1-2 and 4-8 are amended, and new claim 9 is added.

The amendments are made to place the application in closer agreement with customs of U.S. practice and diction.

In the event any questions arise regarding this communication or the application in general, the Examiner is invited to contact Applicant's undersigned representative at the telephone number listed below.

Respectfully submitted,

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Attachment to Preliminary Amendment dated 13 September 2001

Marked-up Copy

[0002] The present invention relates to the field of electrical machines. Specifically, the present invention ~~It concerns a stator winding according to the preamble of Claim 1.~~

[0008] ~~The objective is realized with the totality of characteristics in Claim 1.~~ The core of the invention ~~consists of~~ includes a further division of the strands, only in the conductor bar close to the boring, that reduces the eddy current losses, while the conductor bar close to the slot base that is not affected as much by the eddy current losses is divided less often. In this way, the number of strands is increased only where this is necessary, in this way controlling the additional costs for the winding.



Attachment to Amendment dated 13 September 2001

Marked-up Claims 1-2 and 4-8

1. Stator winding for an electrical machine, ~~where in said stator winding, in the~~
~~winding slots of a stator core, two each conductor bars are arranged between the slot base~~
~~and boring of the stator core on top of each other, whereby each of the conductor bars~~
~~comprises a plurality of juxtaposed strand columns or strand planes, wherein the conductor~~
~~bar close to the boring is provided with more strand columns or strand planes than the~~
~~conductor bar close to the slot base~~ the stator winding comprising:

a stator core having winding slots;

two conductor bars in each of the winding slots;

wherein a) one of the two conductor bars is arranged close to a boring of the
winding slot and the other of the two conductor bars is arranged close to a slot base of the
winding slot, b) each of the two conductor bars comprises a plurality of juxtaposed strand
columns or strand planes, and c) the conductor bar arranged close to the boring is provided
with more strand columns or strand planes than the conductor bar arranged close to the slot
base.

2. Stator winding as claimed in Claim 1, wherein the conductor bar close to the slot
base is constructed as a single Roebel bar with two strand columns or strand planes, and
~~that~~ the conductor bar close to the boring is provided with three or more strand columns.

Attachment to Amendment dated 13 September 2001

Marked-up Claims 1-2 and 4-8

4. Stator winding as claimed in Claim 1, wherein ~~the~~ an effective total width of the strand columns or strand planes in both conductor bars is approximately the same.

5. Stator winding as claimed in Claim 4, wherein ~~the~~ an effective height of the strand columns or strand planes of the conductor bar close to the boring is at least as high as ~~the~~ an effective height of the strand columns or strand planes of the conductor bars bar close to the slot base.

6. Stator winding as claimed in Claim 5, wherein the effective heights of the strand columns or strand planes of the two conductor bars are the same.

7. Stator winding as claimed in Claim 1, wherein corresponding ones of the conductor bars are connected at ~~the~~ their bar ends, ~~and that the~~ and at least one eye is made provided for connecting all strand columns or planes of the corresponding ones of the conductor bars together.

8. Stator winding as claimed in Claim 3, wherein ~~the~~ corresponding ones of the conductor bars are connected at ~~the~~ their bar ends, and ~~that the eye is made~~ eyes are provided for separately for connecting corresponding strand columns or strand planes of the two conductor bars.